GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:560
ANSWERED ON:19.07.2017
Waste Management Technology Programme
Patel Shri Prahlad Singh

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) the salient features of Waste Management Technology (WMT) Programme in the country;

(b) the achievements of the Government under the above said programme in the country, State-wise;

(c) the total expenditure incurred by the Government since the inception of the programme in the country; and

(d) the total budgetary allocation by the Government to the above said programme during the last 3 years and the current year?

Answer

MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES
(SHRI Y.S. CHOWDHARY)

(a) Department of Science and Technology started a program on Waste Management Technologies in the year 2015 to handle Industrial hazardous and non-hazardous waste, Biomedical Waste, Electronic Waste, Construction & Demolition waste and Urban &Rural solid waste including Plastics. Technology Development Projects proposed by R&D agencies, in association with industry, to develop pre-competitive technologies/ techniques/ processes are considered for funding.

Also, Department of Biotechnology is supporting projects to generate energy using various types of wastes like agriculture residue, municipal solid waste, municipal liquid waste and industrial effluents.

Ministry of Electronics and Information Technology (MeitY) is also promoting R & D to develop technological solutions for e-waste in environment friendly manner.

(b) These programmes are not State-specific and promoted at a National level. The Grants provided are competitive in nature and awarded to the respective host institutions of the applicants. The achievements so far can be summarized as follows:

â€¢ DST has sanctioned 19 projects during 2016 on recommendation of a high level technical Committee constituted for Waste Management Technologies program, with a total budget of Rs. 33 crores and industry contribution of Rs. 4 crores. 24 new projects have been selected by DST for financial support during, 2017, worth Rs. 20 crores after critical scrutiny. The distribution of projects based on the type of waste is given in the table below:

Type of Waste Projects sanctioned during 2016-17 Projects to be sanctioned 2017-18
Industrial Waste 9 14
Urban and Rural solid waste including Plastic 4 9
E-Waste 3 1
Biomedical Waste 3 -
Total 19 24

â€¢ DBT sanctioned three projects to develop the cellulosic ethanol technology using the agriculture waste as a feed stock. In collaboration with Netherlands, Department has launched a programme for the cleaning of the Barapullah Drain titled "Local Treatment of Urban Sewage Streams for Healthy Reuse". In partnership with BMBF-Germany and European Union (Inno-Indigo) programme for waste management and its valorization, Department has supported seven projects. Four projects are in collaboration with Germany and three projects are with European Union. Thirty three projects were supported in the areas relevant to waste management & environmental improvement though application of Biotechnology.

â€¢ MeitY has set up a demonstration plant at Bangalore with participation from State Government of Karnataka, where organized and unorganized sector would utilize the facility to process Printed Circuit Boards (PCB) in safe environmentally sound method. MeitY has also initiated a project entitled "Awareness Programme on Environmental Hazards of Electronic Waste" in 10 identified States. The stakeholders involved are schools/ Colleges/ Residents' Welfare Associations/ Bulk Consumers/ refurbishers, manufacturers, informal sector and government officials. So far, nearly 71,000 participants from School, colleges, RWA, manufacturer, informal operators etc. and 2100 government officials have participated in various cities. In addition to awareness, the programme has undertaken inventory study for estimation of the quantum of e-waste in four states, viz., Uttar Pradesh, Jharkhand, West Bengal and Odisha.

(c) The total expenditure incurred by the Government since the inception of the programme in the country: Rs. 71.8 crores

â€¢ Ministry of Science and Technology: Rs. 65 crores
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â€¢ Ministry of Electronics and Information Technology: Rs. 6.8 crores

(d) There is no separate budget allocated for these programs. They are being implemented as part of on-going schemes/programs.

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